

Patent  
236/205 (prev. 6646-101NL)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Ronald A. KATZ

Serial No.: 09/270,241

Filed: March 15, 1999

For: TELEPHONIC-INTERFACE  
STATISTICAL ANALYSIS SYSTEM

Group Art Unit: 2743

Examiner: S. Woo

*K. Ward*  
*1/23/00*  
*#8*  
*Supp*  
*Amend*  
*Ent*  
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JAN 19 2000  
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Assistant Commissioner for Patents  
Washington, D.C. 20231

SUPPLEMENTAL AMENDMENT

Dear Sir:

Further to the Amendment and Response to Office Action submitted on November 22, 1999, please amend the above-identified patent application as follows:

IN THE CLAIMS:

Please amend claims 29, 31, 34-37, 52, 57, 60, 61, and 64, cancel claim 53, without prejudice, and add new claims 65-84 as follows.

*D1* *sub E1*  
*Cont*  
29. (Twice Amended) A control system for use with a communication facility including remote terminals for individual callers, wherein each of said remote terminals comprises a telephonic instrument including a voice communication device, and a digital input device in the form of an array of alphabetic numeric buttons for providing caller data signals, said control system comprising:

CERTIFICATE OF MAILING UNDER 37 CFR 1.8

I hereby certify that this document (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C., 20231.

*January 3, 2000*  
Date

*Reena Kuyper*  
Reena Kuyper, Registration No. 33,830

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a processor unit for processing said caller data signals supplied by individual callers actuating said remote terminals;

interface structure for interfacing said communication facility to said processor unit wherein said interface structure receives data signals prior to the close of communication with the caller, including called number data signals (DNIS) and calling number identification data signals automatically provided by said communication facility and said caller data signals supplied by the individual callers actuating said remote terminals;

voice generator for providing prompts to said individual callers in response to which said individual callers provide said caller data signals, said caller data signals including caller qualification data for qualifying said individual callers; and

means for controlling said processor unit in accordance with said called number identification data signals (DNIS) to process at least certain of said caller data signals in accordance with a select format from a plurality of formats identified by said called number identification data signals (DNIS).

31.

(Twice Amended) An analysis control system for controlling order of items for use with a communication facility including remote terminals for individual callers, wherein each of said remote terminals comprises a telephonic instrument including a voice communication device and a digital input device in the form of an array of alphabetic numeric buttons for providing data and wherein said communication facility has a capability to automatically provide terminal digital data, indicating a calling number, said analysis control system comprising:

interface structure coupled to said communication facility to interface said remote terminals for voice and digital communication and including means to provide caller data signals representative of data relating to said individual callers provided from said remote terminals or automatically provided by said communication facility with respect to the remote terminals prior to the close of communication with the caller, including caller social security number identification data entered by the caller via the digital input device and said terminal digital data indicative of a calling telephone number;

record testing structure connected to receive and test said caller data signals indicative of said terminal digital data representative of a calling telephone number and said caller social security number identification data against previously stored terminal digital data and caller social security number identification data; and

analysis structure for receiving and processing said caller data signals including item [number] data for ordering particular items under control of said record testing structure.

~~34.~~ (Amended) An analysis control system according to claim 33, wherein said credit card number data provided by said caller [receives authorization] is verified for use on-line.

~~35.~~ (Twice Amended) An analysis control system for use with a communication facility including remote terminals for individual callers, wherein each of said remote terminals comprises a telephonic instrument including a voice communication device and digital input device in the form of an array of alphabetic numeric buttons for providing data and wherein said communication facility has a capability to automatically provide terminal digital data, indicating a calling telephone number, said analysis control system comprising:

interface structure coupled to said communication facility to interface said remote terminals for voice and digital communication and including means to provide caller data signals representative of data relating to said individual callers provided from said remote terminals or automatically provided by the communication facility with respect to the remote terminals prior to the close of communication with the caller, including caller personal identification data entered by the caller via the digital input device and said terminal digital data indicative of a calling telephone number;

record testing structure connected to receive and test said caller data signals indicative of said terminal digital data representative of said calling telephone number and said caller personal identification data against previously stored terminal digital data and caller personal identification data;

storage structure for storing certain of said data provided by said individual callers including item [number] data for ordering particular items; and

*D5*  
analysis structure for receiving and processing said caller data signals under control of said record testing structure.

*D5* <sup>12</sup>~~36~~. (Amended) An analysis control structure according to claim <sup>11</sup>~~35~~ wherein said callers further provide credit card number data as **[further identification]** caller data signals.

<sup>13</sup>~~37~~. (Amended) An analysis control system according to claim <sup>12</sup>~~36~~, wherein said individual callers further provide expiration data with respect to said credit card number data as caller data signals.

*Sub E4*  
*D6*  
*CM*  
*140/260*  
*0651 ED 140/260*  
52. (Amended) A method for implementing a service for controlling an order of an item or items for use with a communication facility including remote terminals for individual callers, wherein each of said remote terminals comprises a telephonic instrument including a voice communication device and a digital input device in the form of an array of alphabetic numeric buttons for providing data **[and wherein said communication facility has a capability to automatically provide terminal digital data, indicating a calling number]**, said method comprising the steps of:

interfacing said remote terminals for voice and digital communication and receiving data signals prior to the close of communication from callers at said remote terminals including said caller data signals developed by said remote terminals;

providing prompts to said individual callers in response to which said individual callers can provide said caller data signals **[, said caller data signals]** including caller qualification data for qualifying callers;

receiving from said callers customer number data in addition to one other form of identification data as a part of the caller qualification data;

verifying said customer number data and said other form of identification data entered by said callers;

receiving from said callers order data including item data entered by said callers via said digital input device;

receiving from said callers additional data relating to said item data;

processing said caller entered data to implement said order; and

<sup>D6</sup>  
<sup>24.</sup>  
~~57.~~ providing individual callers with computer generated data to identify said order for individual callers.

<sup>D7</sup>  
<sup>24.</sup>  
~~57.~~ (Amended) A method according to claim ~~52~~<sup>21</sup>, wherein the data identifying the order [**also**] identifies the order for a mail order house.

<sup>D8</sup>  
~~60.~~<sup>27.</sup> (Amended) A method according to claim ~~[52]~~<sup>36</sup> further comprising the step of: receiving calling number identification signals automatically provided by said communication facility as a part of said data signals.

~~61.~~<sup>28.</sup> (Amended) A method according to claim ~~[60]~~<sup>21</sup>~~52~~, wherein the receiving step includes receiving calling number identification signals automatically provided by said communication facility as a part of said data signals.

<sup>D9</sup>  
~~64.~~<sup>31.</sup> A method according to claim ~~62~~<sup>29</sup> wherein said callers enter credit card [**expiration**] number data as credit card data.

Please add the following new claims:

<sup>D10</sup>  
<sup>66.</sup><sup>15</sup> An analysis control system according to claim ~~38~~<sup>14</sup>, wherein the credit card number data is received as billing data.

<sup>66.</sup><sup>32</sup> A method according to claim ~~64~~<sup>31</sup> wherein in response to said prompts said callers enter credit card expiration data as credit card data.

<sup>66.</sup><sup>33</sup> A method according to claim ~~66~~<sup>32</sup>, further comprising the step of: verifying on-line the credit card number data and the credit card expiration data.

<sup>68.</sup><sup>34</sup> A method according to claim ~~64~~<sup>31</sup>, wherein said credit card number data is received as billing data.

<sup>68.</sup><sup>35</sup> A method according to claim ~~52~~<sup>21</sup> wherein said order is a television initiated order.

~~36~~  
~~70.~~ A method according to claim ~~35~~ 69, wherein at least certain of the data relating to the order entered by said callers is coded data displayed on the television.

~~37~~  
~~71.~~ A method according to claim ~~21~~ 52, wherein the customer number data provided by the callers is associated with a limit restricting use of the service to an extent of a dollar value.

~~38~~  
~~72.~~ A method according to claim ~~21~~ 52, wherein the customer number data provided by the callers is associated with a limit restricting use of the service up to a certain number of uses.

~~39~~  
~~73.~~ A method according to claim ~~21~~ 52, wherein the customer number data provided by the callers is associated with a limit restricting use of the service to a limited period of time.

~~40~~  
~~74.~~ A method according to claim ~~21~~ 52, further comprising the step of:  
controlling inventory of items with certain order data.

~~41~~  
~~75.~~ A method according to claim ~~40~~ 74, wherein the controlling step controls the inventory of items on-line.

~~42~~  
~~76.~~ A method according to claim ~~21~~ 52, wherein the verifying step further comprises the step of:  
verifying the customer number data provided by the callers against a list of negative customer numbers.

~~43~~  
~~77.~~ A method according to claim ~~21~~ 52, wherein said additional data is social security number data.

~~44~~  
~~78.~~ A method according to claim ~~21~~ 52, wherein said additional data is PIN data.

~~45~~  
~~79.~~ A method according to claim ~~21~~ 52 wherein the callers order multiple items during the course of a call.

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D10  
Cont. 5/5

Sub 26  
80. A method according to claim ~~52~~<sup>21</sup>, wherein the data identifying the order identifies the order for a facility operating the service.

46  
81. A method according to claim ~~79~~<sup>45</sup>, wherein the facility operating the service is a mail order house.

D10  
And  
48  
82. A method according to claim ~~52~~<sup>21</sup>, wherein the additional data provided by the callers includes the size of the item.

49.  
83. A method according to claim ~~52~~<sup>21</sup>, wherein the additional data provided by the caller includes the color of the item.

50  
84. A method according to claim ~~52~~<sup>21</sup>, wherein the additional data provided by the caller includes the size and color of the item.

### REMARKS

65750-1-034500  
This is supplemental to the Amendment and Response to Office Action submitted on November 22, 1999. By this supplemental amendment, Applicant has further amended claims 29, 31, 34-37, 52, 57, 60-61, and 64, canceled claim 53, without prejudice, and has introduced claims 65-84 for the Examiner to consider. Claims 29, 31, 34-37, 52, 57, 60-61, and 64 are amended to further clarify the claims. Claim 53 is canceled simply because it is redundant. Of the new claims, claim 65 depends on claim 38, claims 66-68 ultimately depend on claim 64, and claims 69-84 either directly or ultimately depend on claim 52. Claim 52 is fully supported by Applicant's U.S. parent patent no. 4,792,968, (filed February 24, 1987), from which the present application claims priority. For the Examiner's convenience, exemplary locations in the '968 specification, that support claim 52 of the present application, are identified below.

Claim 52 Elements (as amended here)	Exemplary Support ('968 patent)
52. A method <u>for implementing a service</u> for controlling an order of an item or items for use with a communication facility including remote terminals for individual callers, wherein each of said remote terminals comprises a telephonic instrument including a voice communication device and a digital input device in the form of an array of alphabetic numeric buttons for providing data [ <b>and wherein said communication facility has a capability to automatically provide terminal digital data, indicating a calling number</b> ], said method comprising the steps of:	Figure 1; columns 2 and 3
interfacing said remote terminals for voice and digital communication and receiving data signals prior to the close of communication from callers at said remote terminals including said caller data signals developed by said remote terminals	Figure 1; columns 3, 4, and 5
providing prompts to said individual callers in response to which said individual callers <u>can</u> provide said caller data signals [ <b>said caller data signals</b> ] including caller qualification data for qualifying callers;	Figure 1; column 6;
receiving from said callers customer number data in addition to one other form of identification data <u>as a part of the caller qualification data</u> ;	Figure 5; column 10, lines 9-20
verifying said customer number data and said other form of identification data entered by said callers;	Figure 1; Figure 5, column 10, lines 9-65
receiving from said callers order data including item data entered by said callers via said digital input device;	Figure 5; column 11, lines 41-47
receiving from said callers additional data relating to said item data;	Figure 5; column 11, lines 41-59
processing said caller entered data to implement said order; and	Figure 1; column 12
providing individual callers with computer generated data to identify said order for individual callers.	Figure 2; Figure 5; column 12, lines 10-12



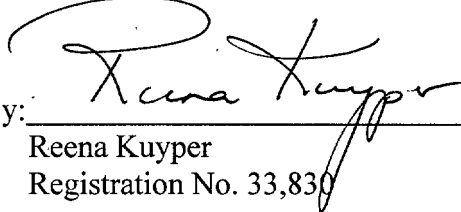
Favorable consideration and allowance of the pending claims is respectfully requested.

Respectfully submitted,

LYON & LYON, LLP

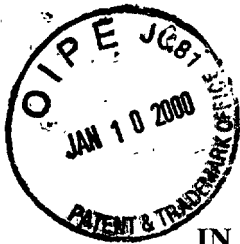
Dated: January 3, 2000

By: \_\_\_\_\_

  
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Ronald A. KATZ

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STATISTICAL ANALYSIS SYSTEM

Group Art Unit: 2743

Examiner: Woo, S.

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SUPPLEMENTAL AMENDMENT TRANSMITTAL

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir: Transmitted herewith is a Supplemental Amendment for the above-identified application.

- ☐ "Small Entity Status" of this application under 37 CFR §§ 1.9 and 1.27 has been established by a Verified Statement previously submitted.
- ☐ A Verified Statement to establish "Small Entity Status" under 37 CFR §§ 1.9 and 1.27 is enclosed.
- ☐ Applicant(s) petitions for an extension of time under 37 CFR § 1.136 [fees: 37 CFR § 1.17(a)(1)-(4)] for the total number of months checked below:

EXTENSION (months)	FEE FOR SMALL ENTITY	FEE FOR OTHER THAN SMALL ENTITY
1 month	<input type="checkbox"/> \$55.00	<input checked="" type="checkbox"/> \$110.00
2 months	<input type="checkbox"/> \$190.00	<input type="checkbox"/> \$380.00
3 months	<input type="checkbox"/> \$435.00	<input type="checkbox"/> \$870.00
4 months	<input type="checkbox"/> \$680.00	<input type="checkbox"/> \$1,360.00

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January 3, 2000  
Date

Reena Kuyper, Registration No. 33,830

- ☐ An extension for \_\_\_\_\_ months has already been secured and the fee paid therefor of \_\_\_\_\_ is deducted from the total fee due for the total months of extension now requested.
- ☐ Extension fee due with this Request \_\_\_\_\_.
- ☒ **NO ADDITIONAL EXTENSION FEE IS REQUIRED.**

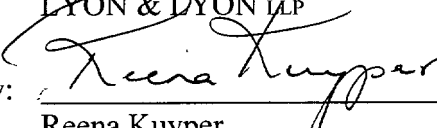
**FEES FOR CLAIMS:**

The fees for claims (37 CFR § 1.16(b)-(d)) have been calculated as shown below:

Total Claims	55	-	36	=	19	x	\$18.00	\$342.00
Independent Claims	4	-	4	=	0	x	\$78.00	\$0.00
Multiple Dependent Claims	\$260	(if applicable)					<input type="checkbox"/>	\$0.00
<b>TOTAL OF ABOVE CALCULATIONS</b>								<b>\$342.00</b>
Reduction by ½ for Filing by Small Entity. Note 37 CFR §§ 1.9, 1.27, 1.28.								\$0.00
If applicable, Verified Statement must be attached.								<input type="checkbox"/>
<b>TOTAL FEES FOR CLAIMS SUBMITTED HERewith</b>								<b>\$342.00</b>

- ☐ A check in the amount of \_\_\_\_\_ is enclosed to cover the above fee(s).
- ☒ Charge Deposit Account No. **12-2475** in the amount of **\$342.00**.
- ☒ The Commissioner is authorized to charge Counsel's Deposit Account No. **12-2475** for any fees required under 37 CFR §§ 1.16, 1.17 and 1.445 that are not covered, in whole or in part, by a check enclosed herewith and to credit any overpayments to said Deposit Account **12-2475**.

Dated: January 3, 2000  
633 West Fifth Street, Suite 4700  
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Respectfully submitted,  
LYON & DYON LLP  
By:   
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